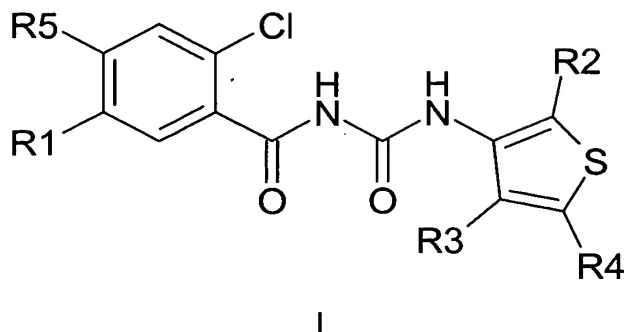


We claim:

1. A compound of formula I

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wherein

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R5 is F, Cl or Br;

R1 is H, F, Cl or Br;

15 R2 is H, F, Cl, Br, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, CN, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, CO-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, COO(C<sub>1</sub>-C<sub>6</sub>)-alkyl, CONH<sub>2</sub>, CONH(C<sub>1</sub>-C<sub>6</sub>)-alkyl, CON((C<sub>1</sub>-C<sub>6</sub>)-alkyl)<sub>2</sub>, SO<sub>2</sub>-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, or the A radical;

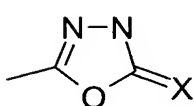
20 R3 is H, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, COO(C<sub>1</sub>-C<sub>6</sub>)-alkyl, SO<sub>2</sub>-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl-phenyl, phenyl, SO<sub>2</sub>-phenyl, wherein the phenyl rings of said (C<sub>1</sub>-C<sub>6</sub>)-alkyl-phenyl, phenyl and SO<sub>2</sub>-phenyl groups are optionally mono- or disubstituted by F, Cl, CN, OH, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, CF<sub>3</sub>, OCF<sub>3</sub>, COOH, COO(C<sub>1</sub>-C<sub>6</sub>)-alkyl or CONH<sub>2</sub>;

25 R4 is H, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, COO(C<sub>1</sub>-C<sub>6</sub>)-alkyl, SO<sub>2</sub>-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, SO<sub>2</sub>-piperidinyl, SO<sub>2</sub>-piperazinyl, (C<sub>1</sub>-C<sub>6</sub>)-alkylphenyl,

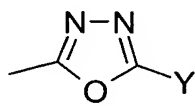
wherein said SO<sub>2</sub>-piperidinyl and SO<sub>2</sub>-piperazinyl groups and the phenyl ring of said (C<sub>1</sub>-C<sub>6</sub>)-alkylphenyl group are optionally mono- or disubstituted by F, Cl, CN, OH, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-

$C_6$ -alkyl,  $CF_3$ ,  $OCF_3$ ,  $COOH$ ,  $COO(C_1-C_6)$ -alkyl or  $CONH_2$ ;

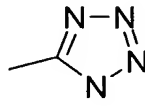
A is a heterocyclic radical of the formula 2a, 2b, 2c or 3;



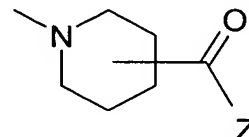
2a



2b



2c



3

X is O or NH;

Y is OH or  $NH_2$ ;

Z is OH,  $O(C_1-C_6)$ -alkyl,  $NH_2$ ,  $NH(C_1-C_6)$ -alkyl or  $N((C_1-C_6)$ -alkyl) $_2$ ;

and pharmaceutically acceptable salts thereof.

2. The compound of Claim 1, wherein

R5 is F, Cl or Br;

R1 is H or F;

R2 is H, F, Cl, Br,  $(C_1-C_6)$ -alkyl,  $CF_3$ ,  $OCF_3$ ,  $NO_2$ , CN,  $O-(C_1-C_6)$ -alkyl,  $CO(C_1-C_6)$ -alkyl,  $COOH$ ,  $COO(C_1-C_6)$ -alkyl,  $CONH_2$ ,  $CONH(C_1-C_6)$ -alkyl,  $CON((C_1-C_6)$ -alkyl) $_2$ ,  $SO_2-(C_1-C_6)$ -alkyl, or the A radical;

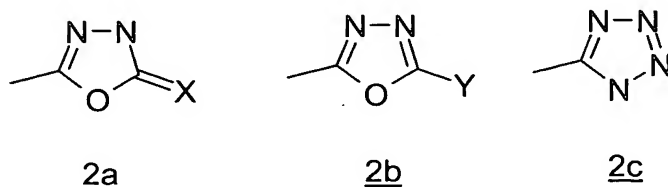
R3 is H,  $(C_1-C_6)$ -alkyl,  $COO(C_1-C_6)$ -alkyl,  $SO_2(C_1-C_6)$ -alkyl,  $(C_1-C_6)$ -alkylphenyl, phenyl,  $SO_2$ -phenyl, wherein the phenyl rings of said  $(C_1-C_6)$ -alkylphenyl, phenyl and  $SO_2$ -phenyl groups are optionally mono- or disubstituted by F or Cl;

R4 is H,  $(C_1-C_6)$ -alkyl,  $COO(C_1-C_6)$ -alkyl,  $SO_2-(C_1-C_6)$ -alkyl,  $SO_2$ -piperidinyl,  $SO_2$ -piperazinyl,  $(C_1-C_6)$ -alkylphenyl,

wherein said  $SO_2$ -piperidinyl and  $SO_2$ -piperazinyl groups and the

phenyl ring of said (C<sub>1</sub>-C<sub>6</sub>)-alkylphenyl group are optionally mono- or disubstituted by F, Cl, CN, OH, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, CF<sub>3</sub>, OCF<sub>3</sub>, COOH, COO(C<sub>1</sub>-C<sub>6</sub>)-alkyl or CONH<sub>2</sub>;

5 A is a heterocyclic radical of the formula 2a, 2b or 2c;



X is O or NH;

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Y is OH or NH<sub>2</sub>;

Z is OH;

15 and pharmaceutically acceptable salts thereof.

3. The compound of Claim 2, wherein

R5 is F;

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R1 is F;

R2 is COOH, COO(C<sub>1</sub>-C<sub>6</sub>)-alkyl, CONH<sub>2</sub>, CONH(C<sub>1</sub>-C<sub>6</sub>)-alkyl, CON((C<sub>1</sub>-C<sub>6</sub>)-alkyl)<sub>2</sub>, or the A radical;

25

R3 is H, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, COO(C<sub>1</sub>-C<sub>6</sub>)-alkyl, SO<sub>2</sub>(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl-phenyl, phenyl, SO<sub>2</sub>-phenyl,

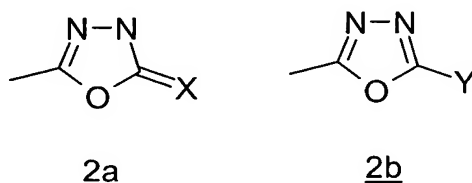
wherein the phenyl rings of said (C<sub>1</sub>-C<sub>6</sub>)-alkylphenyl, phenyl and SO<sub>2</sub>-phenyl groups are optionally mono- or disubstituted by F;

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R4 is H, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, COO(C<sub>1</sub>-C<sub>6</sub>)-alkyl, SO<sub>2</sub>(C<sub>1</sub>-C<sub>6</sub>)-alkyl, SO<sub>2</sub>-piperidinyl, SO<sub>2</sub>-piperazinyl, (C<sub>1</sub>-C<sub>6</sub>)-alkylphenyl,

wherein said SO<sub>2</sub>-piperidinyl and SO<sub>2</sub>-piperazinyl groups and the phenyl ring of said (C<sub>1</sub>-C<sub>6</sub>)-alkylphenyl group are optionally mono- or disubstituted by F or (C<sub>1</sub>-C<sub>6</sub>)-alkyl;

5 A is a heterocyclic radical of the formula 2a or 2b;



X is O or NH;

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Y is OH or NH<sub>2</sub>;

and pharmaceutically acceptable salts thereof.

15 4. A pharmaceutical composition comprising a compound of Claim 1 and a pharmaceutically acceptable carrier.

5. The pharmaceutical composition of Claim 4 further comprising one or more additional active ingredients.

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6. The pharmaceutical composition of Claim 5 wherein said additional active ingredient is selected from the group consisting of antidiabetics, hypoglycemic active ingredients, HMG-CoA reductase inhibitors, cholesterol absorption inhibitors, PPAR gamma agonists, PPAR alpha agonists, PPAR alpha/gamma agonists, fibrates, MTP inhibitors, bile acid absorption inhibitors, CETP inhibitors, polymeric bile acid adsorbents, LDL receptor inducers, ACAT inhibitors, antioxidants, lipoprotein lipase inhibitors, ATP-citrate lyase inhibitors, squalene synthetase inhibitors, lipoprotein(a) antagonists, lipase inhibitors, insulins, sulfonylureas, biguanides, meglitinides, thiazolidinediones,  $\alpha$ -glucosidase inhibitors, active ingredients acting on the ATP-dependent potassium channel of the beta cells, CART agonists, NPY agonists, MC4 agonists, orexin agonists, H3 agonists, TNF agonists, CRF agonists, CRF BP antagonists, urocortin agonists,  $\beta$ 3 agonists, MSH (melanocyte-stimulating hormone)

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agonists, CCK agonists, serotonin reuptake inhibitors, mixed serotonergic and noradrenergic compounds, 5HT agonists, bombesin agonists, galanin antagonists, growth hormones, growth hormone-releasing compounds, TRH agonists, uncoupling protein 2 or 3 modulators, leptin agonists, DA agonists (bromocriptine, Doprexin),  
5 lipase/amylase inhibitors, PPAR modulators, RXR modulators or TR- $\beta$  agonists or amphetamines.

7. A method of reducing blood sugar comprising administering to a patient in need thereof a compound of Claim 1.

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8. A method of treating type II diabetes comprising administering to a patient in need thereof a compound of Claim 1.

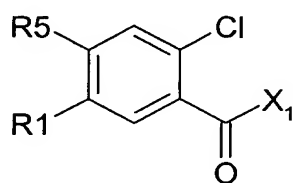
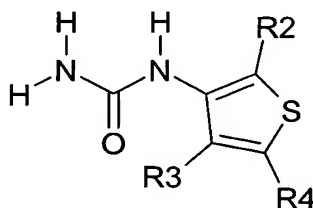
9. A method of treating lipid and carbohydrate metabolism disorders comprising  
15 administering to a patient in need thereof a compound of Claim 1.

10. A method of treating arteriosclerotic symptoms comprising administering to a patient in need thereof a compound of Claim 1.

20 11. A method of treating insulin resistance comprising administering to a patient in need thereof a compound of Claim 1.

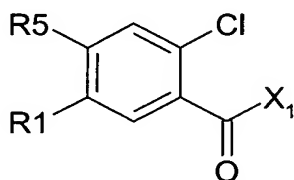
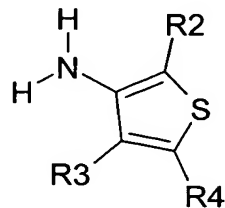
12. A process for preparing a compound of Claim I, which comprises reacting  
ureas of the formula 5 with benzoic acid derivatives of the formula 4

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wherein R1 to R5 are each as defined in formula I of Claim 1 and X1 is Cl.

13. A process for preparing a compound of Claim I, which comprises reacting 3-aminothiophene derivatives of the formula 6 with a benzoic acid derivative of the formula 4

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wherein R1 to R5 are each as defined in formula I of Claim 1 and X<sub>1</sub> is NCO.